

AMENDMENTS TO THE CLAIMS

The following Listing of Claims replaces all prior versions and listings of claims in the present application.

Listing of Claims:

1. (Currently Amended) Conveyor line (1) for products (16) such as bottles, cans or similar containers, comprising:

at least one guide railing (6) which is adjustable across a direction of conveyance and is operable by at least one actuator drive (2), and

a plurality of movable stops (8a, 8b, 8c) which can optionally be placed that are optionally placeable at several preset positions (7, 7', 7'') in one or more adjustment ~~pathway(s)~~ pathways of the guide railing to [[and]] delimit the at least one guide railing and can be arranged at several preset positions (7, 7', 7'') to define various railing positions.

2. (Previously Presented) Conveyor line according to Claim 1, wherein at least two stops (8a, 8b) are provided.

3. (Currently Amended) Conveyor line according to Claim 1[[.]], wherein the stops (8a, 8b, 8c) can be moved into the preset positions (7, 7', 7'') by one of manually, control means, or a combination thereof.

4. (Previously Presented) Conveyor line according to Claim 1, wherein the stops (8a, 8b, 8c) which are in preset positions (7, 7', 7'') can be moved into the adjustment pathway(s) by one of manually, control means, or a combination thereof.

5. (Previously Presented) Conveyor line according to Claim 1, and at least one opposing stop (11) which can be brought into contact (8) with the stops (8a, 8b, 8c) and follows the adjusting movement arranged on one of the guide railing (6) or the actuator drive (2).

6. (Previously Presented) Conveyor line according to Claim 5, wherein the opposing stop (11) has at least two stop faces (11a, 11b) facing away from one another as based on the adjustment pathway(s).

7. (Previously Presented) Conveyor line according to Claim 5, wherein the actuator drive (2) is a linear drive and the preset positions (7, 7', 7'') are assigned to the linear drive.

8. (Previously Presented) Conveyor line according to Claim 1, wherein the preset positions (7, 7', 7'') are designed in the form of recesses.

9. (Previously Presented) Conveyor line according to Claim 46, wherein the preset positions (7, 7', 7'') are designed in the form of multiple bores in the stop mount (A) set along the adjustment pathway(s) in the axial direction.

10. (Currently Amended) Conveyor line according to Claim 1, wherein the stops (8a, 8b) are designed as form-fitting plug or screw elements.

11. (Previously Presented) Conveyor line according to Claim 4, wherein the stops (8a, 8b, 8c) are designed as pneumatic cylinders that can be operated by control means.

12. (Previously Presented) Conveyor line according to Claim 46, wherein the stops (8a, 8b, 8c) can be screwed into threaded bores (7, 7', 7'') in the stop mount (A).

13. (Previously Presented) Conveyor line according to Claim 46, wherein the stop mount (A) has an axial bore (13) aligned with the cylinder body (9).

14. (Previously Presented) Conveyor line according to Claim 13, wherein the bore (13) is arranged coaxially with the piston rod (10) and the piston rod passes at least partially through the bore.

15. (Previously Presented) Conveyor line according to Claim 13, wherein the inside diameter (D) of the bore (13) is greater than the outside diameter (d) of the piston rod (10), thus forming an annular space (14).

16. (Previously Presented) Conveyor line according to Claim 15, wherein the bores (7, 7', 7'') for accommodating the stops (8a, 8b, 8c) are assigned to the annular space (14) so that the stops (8a, 8b, 8c) pass through the annular space (14) approximately at a right angle to the longitudinal extent of the annular space (14) when in an engaged or working position.

17. (Previously Presented) Conveyor line according to Claim 46, wherein the stop mount (A) has a centering shoulder (12) which engages in the cylinder body (9) in a form-fitting manner.

18. (Previously Presented) Conveyor line according to Claim 46, wherein the opposing stop (11) is attached to the piston rod (10) and is guided in the interior of the stop mount (A).

19. (Previously Presented) Conveyor line according to Claim 46, wherein the opposing stop (11) is displaceable with the piston rod (10) over the entire length of the adjustment path(s) in the stop mount (A).

20. (Previously Presented) Conveyor line according to Claim 1, wherein the adjustable guide railings (6) are arranged so they run opposite one another in pairs and parallel to the direction of conveyance with a distance between the pairs.

21. (Previously Presented) Conveyor line according to Claim 1, wherein the products (16) to be transported have a collar (17) by means of which they are transported suspended on two parallel sliding rails (15) which run with a distance therebetween.

22. (Previously Presented) Conveyor line according to Claim 21, wherein the sliding rails (15) are mounted in such a way that the products (16) are conveyed as suspended items beneath an air guide box (3).

23. (Currently Amended) Conveyor line according to Claim 21 ~~or 22~~, and a nozzle channel (4) running in the direction of conveyance has blow nozzles aimed at the products (16) in the direction of conveyance.

24. (Canceled)

25. (Currently Amended) An actuator drive for actuating and positioning adjustable guide railings on conveyor lines for products such as bottles, cans or similar containers, the actuator drive comprising:

a stop body (A) defining one or more adjustment paths for the guide railings,
and a plurality of preset positions (7, 7', 7''); and

a plurality of movable ~~multiple~~ stops (8a, 8b, 8c) which can be arranged [[at]]
in the preset positions (7, 7', 7'') and can be moved into the one or more adjustment
~~path(s)~~ paths of the actuator drive (2) [[and]] to delineate the one or more adjustment
~~path(s)~~ paths.

26. (Previously Presented) Actuator drive according to Claim 25, wherein at least two stops (8a, 8b) are provided.

27. (Previously Presented) Actuator drive according to Claim 25, wherein the stops (8a, 8b, 8c) can be moved into the preset positions (7, 7', 7'') by one of manual operation or controlled operation.

28. (Previously Presented) Actuator drive according to Claim 25, wherein the stops (8a, 8b, 8c) can be moved into the adjustment path(s) by one of manual operation or controlled actuation.

29. (Previously Presented) Actuator drive according to Claim 25, and at least one opposing stop (11) which can be brought into contact (8) with the stops (8a, 8b, 8c) and which follows the adjusting movement arranged in the adjustment path(s).

30. (Previously Presented) Actuator drive according to Claim 29, wherein the opposing stop (11) has at least two stop faces (11a, 11b) facing away from one another, as based on the adjustment path(s).

31. (Previously Presented) Actuator drive according to Claim 25, wherein the actuator drive is a linear drive formed as a double-acting pneumatic cylinder having a cylinder element (Z) which has a cylinder body (9) and a piston rod (10), and the preset positions (7, 7', 7'') are assigned to the pneumatic cylinder and comprise a stop mount (A) which is attached to the cylinder element (Z) in the axial direction.

32. (Previously Presented) Actuator drive according to Claim 25, wherein the preset positions (7, 7', 7'') are designed in the form of recesses into which the stops (8a, 8b, 8c) can be inserted in a form-fitting manner.

33. (Previously Presented) Actuator drive according to Claim 31, wherein the preset positions (7, 7', 7'') are designed in the form of multiple bores in the stop mount (A) offset in an axial direction.

34. (Previously Presented) Actuator drive according to Claim 25, wherein the stops (8a, 8b, 8c) are designed as one of form-fitting screw or plug elements.

35. (Previously Presented) Actuator drive according to Claim 25, wherein the stops (8c) are designed as pneumatic cylinders that can be operated by control means.

36. (Previously Presented) Actuator drive according to Claim 31, wherein the stops (8a, 8b, 8c) can be screwed into threaded bores (7, 7', 7'') in the stop mount (A).

37. (Previously Presented) Actuator drive according to Claim 31, wherein the stop mount (A) has an axial bore (13) aligned with the cylinder body (9).

38. (Previously Presented) Actuator drive according to Claim 37, wherein the axial bore (13) is arranged coaxially with the piston rod (10) and with the piston rod (10) passing through the axial bore (13) at least partially.

39. (Previously Presented) Actuator drive according to Claim 37, wherein the inside diameter (D) of the axial bore (13) is greater than the outside diameter (d) of the piston rod (10) and an annular space (14) is formed therebetween.

40. (Previously Presented) Actuator drive according to Claim 39, wherein the bores (7, 7', 7'') are assigned to the annular space (14) to accommodate the stops (8a, 8b, 8c) such that the stops (8a, 8b, 8c) pass through the annular space (14) approximately perpendicularly to the longitudinal extent thereof when in an engaged position or working position.

41. (Previously Presented) Actuator drive according to Claim 31, wherein the stop mount (A) has a centering shoulder (12) which engages in the cylinder head (9) in a form-fitting manner.

42. (Previously Presented) Actuator drive according to Claim 31, and an the opposing stop (11) which is attached to the piston rod (10) and is guided in the interior of the stop mount (A).

43. (Previously Presented) Actuator drive according to Claim 42, wherein the piston rod (10) is displaceable with the opposing stop (11) over the entire length of the stop mount (A).

44. (Previously Presented) Conveyor line according to Claim 1, wherein the guide railing (6) is operable so that it is adjustable in height by at least one actuator drive (2') longitudinally to the vertical axis of the products being conveyed, with stops (8a, 8b, 8c) which may optionally be arranged in the adjustment path (V) at multiple preset positions (7, 7', 7'') and delineate said path on the vertical adjustment path (V) of the guide railing (6) or the at least one actuator drive (2') and thereby define various railing positions.

45. (Previously Presented) Conveyor line according to Claim 7, wherein the linear drive is a double-acting pneumatic cylinder having a cylinder element (Z) which has a cylinder body (9) and a piston rod (10).

46. (Previously Presented) Conveyor line according to Claim 45, wherein the preset positions (7, 7', 7'') assigned to the linear drive comprises a stop mount (A) attached to the cylinder element (Z) of the pneumatic cylinder in the axial direction.

47. (Previously Presented) Conveyor line according to Claim 8, wherein the recesses comprise bores into which the stops (8', 8'', 8''') can be inserted in a form-fitting manner.

48. (Previously Presented) Conveyor line according to Claim 9, wherein the four of the multiple bores in the stop mount (A) comprises at least two rows with an arrangement of bores offset in the axial direction of the stop mount (A).

49. (Previously Presented) Conveyor line according to Claim 10, wherein the one of form-fitting plug or screw elements comprise pins.

50. (Previously Presented) Conveyor line according to Claim 21, wherein the products to be transported are bottles having a collar (17).

51. (Previously Presented) Conveyor line according to Claim 32, wherein the recesses are formed as bores.

52. (Previously Presented) Actuator drive according to Claim 33, wherein the form of multiple bores comprises at least two rows with an arrangement of bores that are offset in relation to one another in the axial direction of the stop mount (A).

53. (Previously Presented) Actuator drive according to Claim 34, wherein the stops are designed as pins.

54. (Previously Presented) Conveyor line according to Claim 1, wherein the actuator drive is a linear drive formed as a double-acting pneumatic cylinder having a cylinder element (Z) which has a cylinder body (9) and a piston rod (10) and where the preset positions (7, 7', 7'') are assigned to the linear drive and formed as a stop mount (A) attached to the cylinder element (Z) of the pneumatic cylinder in the axial direction.